

T mckelvey

#13

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OCT 10 2000

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/404,979

DATE: 09/22/2000  
TIME: 12:19:51

Input Set : A:\GENAPP.002RA.txt  
Output Set: N:\CRF3\09222000\I404979.raw

TECH CENTER 1600/2900

ENTERED

4 <110> APPLICANT: Genetic Applications LLC  
5 Gopal, T. Venkat  
7 <120> TITLE OF INVENTION: Peptide-Mediated Gene Transfer  
10 <130> FILE REFERENCE: GENAPP.002RA  
12 <140> CURRENT APPLICATION NUMBER: US 09/404,979  
13 <141> CURRENT FILING DATE: 1999-09-22  
15 <160> NUMBER OF SEQ ID NOS: 56  
17 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
19 <210> SEQ ID NO: 1  
20 <211> LENGTH: 5  
21 <212> TYPE: PRT  
22 <213> ORGANISM: Yeast  
24 <400> SEQUENCE: 1  
25 Lys Ile Pro Ile Lys  
26 1 5  
29 <210> SEQ ID NO: 2  
30 <211> LENGTH: 12  
31 <212> TYPE: PRT  
32 <213> ORGANISM: Yeast  
34 <400> SEQUENCE: 2  
35 Val Arg Ile Leu Glu Ser Trp Phe Ala Lys Asn Ile  
36 1 5 10  
39 <210> SEQ ID NO: 3  
40 <211> LENGTH: 7  
41 <212> TYPE: PRT  
42 <213> ORGANISM: SV40  
44 <400> SEQUENCE: 3  
45 Pro Lys Lys Lys Arg Lys Val  
46 1 5  
49 <210> SEQ ID NO: 4  
50 <211> LENGTH: 10  
51 <212> TYPE: PRT  
52 <213> ORGANISM: Influenza virus  
54 <400> SEQUENCE: 4  
55 Ala Ala Phe Glu Asp Leu Arg Val Arg Ser  
56 1 5 10  
59 <210> SEQ ID NO: 5  
60 <211> LENGTH: 4  
61 <212> TYPE: PRT  
62 <213> ORGANISM: Yeast  
64 <400> SEQUENCE: 5  
65 Pro Arg Lys Arg  
66 1  
69 <210> SEQ ID NO: 6  
70 <211> LENGTH: 9  
71 <212> TYPE: PRT  
72 <213> ORGANISM: Polyoma virus

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74 <400> SEQUENCE: 6
75 Val Ser Arg Lys Arg Pro Arg Pro Ala
76 1 5
79 <210> SEQ ID NO: 7
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81 <212> TYPE: PRT
82 <213> ORGANISM: SV40
84 <400> SEQUENCE: 7
85 Ala Pro Thr Lys Arg Lys
86 1 5
89 <210> SEQ ID NO: 8
90 <211> LENGTH: 5
91 <212> TYPE: PRT
92 <213> ORGANISM: Adenovirus
94 <400> SEQUENCE: 8
95 Lys Arg Pro Arg Pro
96 1 5
99 <210> SEQ ID NO: 9
100 <211> LENGTH: 7
101 <212> TYPE: PRT
102 <213> ORGANISM: SV40
104 <400> SEQUENCE: 9
105 Pro Asn Lys Lys Lys Arg Lys
106 1 5
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110 <211> LENGTH: 17
111 <212> TYPE: PRT
112 <213> ORGANISM: Frog
114 <400> SEQUENCE: 10
115 Arg Pro Ala Ala Thr Lys Lys Ala Gly Gln Ala Lys Lys Lys Lys Leu
116 1 5 10 15
117 Asp
121 <210> SEQ ID NO: 11
122 <211> LENGTH: 5
123 <212> TYPE: PRT
124 <213> ORGANISM: Rat
126 <400> SEQUENCE: 11
127 Lys Lys Lys Ile Lys
128 1 5
131 <210> SEQ ID NO: 12
132 <211> LENGTH: 19
133 <212> TYPE: PRT
134 <213> ORGANISM: Monkey
136 <400> SEQUENCE: 12
137 Arg Val Thr Ile Arg Thr Val Arg Arg Pro Pro Lys Gly Lys
138 1 5 10 15
139 His Arg Lys
143 <210> SEQ ID NO: 13
144 <211> LENGTH: 7

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145 <212> TYPE: PRT  
146 <213> ORGANISM: Yeast  
148 <400> SEQUENCE: 13  
149 Gly Lys Lys Arg Ser Lys Ala  
150 1 5  
153 <210> SEQ ID NO: 14  
154 <211> LENGTH: 7  
155 <212> TYPE: PRT  
156 <213> ORGANISM: Chicken  
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159 Gly Lys Lys Arg Ser Lys Ala  
160 1 5  
163 <210> SEQ ID NO: 15  
164 <211> LENGTH: 5  
165 <212> TYPE: PRT  
166 <213> ORGANISM: Influenza  
168 <400> SEQUENCE: 15  
169 Asp Arg Leu Arg Arg  
170 1 5  
173 <210> SEQ ID NO: 16  
174 <211> LENGTH: 6  
175 <212> TYPE: PRT  
176 <213> ORGANISM: Influenza  
178 <400> SEQUENCE: 16  
179 Pro Lys Gln Lys Arg Lys  
180 1 5  
183 <210> SEQ ID NO: 17  
184 <211> LENGTH: 7  
185 <212> TYPE: PRT  
186 <213> ORGANISM: Frog  
188 <400> SEQUENCE: 17  
189 Val Arg Lys Lys Arg Lys Thr  
190 1 5  
193 <210> SEQ ID NO: 18  
194 <211> LENGTH: 7  
195 <212> TYPE: PRT  
196 <213> ORGANISM: Frog  
198 <400> SEQUENCE: 18  
199 Ala Lys Lys Ser Lys Gln Glu  
200 1 5  
203 <210> SEQ ID NO: 19  
204 <211> LENGTH: 9  
205 <212> TYPE: PRT  
206 <213> ORGANISM: Human  
208 <400> SEQUENCE: 19  
209 Pro Ala Ala Lys Arg Val Lys Leu Asp  
210 1 5  
213 <210> SEQ ID NO: 20  
214 <211> LENGTH: 10

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Input Set : A:\GENAPP.002RA.txt  
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216 <213> ORGANISM: Human  
218 <400> SEQUENCE: 20  
219 Arg Gln Arg Arg Asn Glu Leu Lys Ser Phe  
220 1                      5                      10  
223 <210> SEQ ID NO: 21  
224 <211> LENGTH: 7  
225 <212> TYPE: PRT  
226 <213> ORGANISM: Human  
228 <400> SEQUENCE: 21  
229 Thr Lys Lys Arg Lys Leu Glu  
230 1                      5  
233 <210> SEQ ID NO: 22  
234 <211> LENGTH: 7  
235 <212> TYPE: PRT  
236 <213> ORGANISM: HTLV-1  
238 <400> SEQUENCE: 22  
239 Pro Lys Thr Arg Arg Arg Pro  
240 1                      5  
243 <210> SEQ ID NO: 23  
244 <211> LENGTH: 7  
245 <212> TYPE: PRT  
246 <213> ORGANISM: HTLV-1  
248 <400> SEQUENCE: 23  
249 Ser Gln Arg Lys Arg Pro Pro  
250 1                      5  
253 <210> SEQ ID NO: 24  
254 <211> LENGTH: 11  
255 <212> TYPE: PRT  
256 <213> ORGANISM: Adenovirus  
258 <400> SEQUENCE: 24  
259 Arg Leu Pro Val Arg Arg Arg Arg Val Pro  
260 1                      5                      10  
263 <210> SEQ ID NO: 25  
264 <211> LENGTH: 5  
265 <212> TYPE: PRT  
266 <213> ORGANISM: HIV-1  
268 <400> SEQUENCE: 25  
269 Gly Arg Lys Lys Arg  
270 1                      5  
273 <210> SEQ ID NO: 26  
274 <211> LENGTH: 13  
275 <212> TYPE: PRT  
276 <213> ORGANISM: Frog  
278 <400> SEQUENCE: 26  
279 Val Arg Thr Thr Lys Gly Lys Arg Lys Arg Ile Asp Val  
280 1                      5                      10  
283 <210> SEQ ID NO: 27  
284 <211> LENGTH: 5

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285 <212> TYPE: PRT
286 <213> ORGANISM: Rabbit
288 <400> SEQUENCE: 27
289 Arg Lys Phe Lys Lys
290 1 5
293 <210> SEQ ID NO: 28
294 <211> LENGTH: 8
295 <212> TYPE: PRT
296 <213> ORGANISM: HIV-1
298 <400> SEQUENCE: 28
299 Arg Arg Asn Arg Arg Arg Arg Trp
300 1 5
303 <210> SEQ ID NO: 29
304 <211> LENGTH: 15
305 <212> TYPE: PRT
306 <213> ORGANISM: Human
308 <400> SEQUENCE: 29
309 Pro Arg Ser Gly Lys Lys Arg Lys Arg Lys Arg Leu Lys Pro Thr
310 1 5 10 15
313 <210> SEQ ID NO: 30
314 <211> LENGTH: 12
315 <212> TYPE: PRT
316 <213> ORGANISM: Mouse
318 <400> SEQUENCE: 30
319 Ser Ala Leu Ile Lys Lys Lys Lys Lys Met Ala Pro
320 1 5 10
323 <210> SEQ ID NO: 31
324 <211> LENGTH: 5
325 <212> TYPE: PRT
326 <213> ORGANISM: Adenovirus
328 <400> SEQUENCE: 31
329 Pro Pro Lys Lys Arg
330 1 5
333 <210> SEQ ID NO: 32
334 <211> LENGTH: 6
335 <212> TYPE: PRT
336 <213> ORGANISM: Adenovirus
338 <400> SEQUENCE: 32
339 Pro Lys Lys Lys Lys Lys
340 1 5
343 <210> SEQ ID NO: 33
344 <211> LENGTH: 9
345 <212> TYPE: PRT
346 <213> ORGANISM: Chicken
348 <400> SEQUENCE: 33
349 Ser Lys Arg Val Ala Lys Arg Lys Leu
350 1 5
353 <210> SEQ ID NO: 34
354 <211> LENGTH: 8

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VERIFICATION SUMMARY

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